

Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)
2455.3USApplication Number
Not yet assigned

Applicant Reichert et al.

Filing Date October 10, 2001

Group Art Unit Unknown

U.S. PATENT DOCUMENTS

1743

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JS	3,934,061	01/20/76	Keck & Schultz			
	3,939,350	02/17/76	Kronick et al.			
	4,166,105	08/28/79	Hirschfeld			
	4,264,766	04/28/81	Fischer			
	4,815,843	03/28/89	Tiefenthaler et al.			
	4,857,273	08/15/89	Stewart			
	4,880,752	11/14/89	Keck			
	4,909,990	03/20/90	Block et al.			
	5,006,333	04/09/91	Seifer et al.			
	5,006,716	04/09/91	Hall			
JS	5,043,278	08/27/91	Nagaoka et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
JS	WO 88/10418	12/29/88	PCT				
	2,220,083	12/28/89	GB				
	9,001,166	02/08/90	PCT				

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

JS		Applied Spectroscopy 42: 68-72, J.T. Ives and W.M. Reichert, 1988
JS		"Total internal reflection fluorescence surface sensors", Ives, Reichert, Lin, Hlady, Reinecke, Suci, VanWagenen, Newby, Herron, Dryden and Andrade, <u>Optical Fiber Sensors</u> , pp. 391-396, eds. A.N. Chester et al., 1987 (M. Nijhoff, publ.)
JS		"Integrated optical waveguide attenuated total reflection spectrometry and resonance Raman spectroscopy of adsorbed cytochrome c", D.S. Walker, H.W. Hellings, S.S. Saavedra, and W.M. Reichert, <u>J. Phys. Chem.</u> 97: 10217-10222 (1993)
JS		"Corning 7059, silicon oxynitride, and silicon dioxide thin-film integrated optical waveguides: in search of low loss, nonfluorescent, reusable glass waveguides", D.S. Walker, W.M. Reichert, and C.J. Berry, <u>Applied Spectroscopy</u> 46: 1437-1441 (1992)

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JS

DATE CONSIDERED

2/5/05

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 PTO
 09/973557
 10/10/01

09/973557 (2-92)

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JS	5,081,012	01/14/92	Flanagan			
	5,166,515	11/24/92	Attridge			
	5,192,502	03/09/93	Attridge			
	5,248,620	09/28/93	Sluka et al.			
	5,344,784	09/06/94	Attridge			
	5,589,136	12/1996	Northrup et al.			
	5,814,565	09/29/98	Reichert et al.			
	5,822,472	10/13/98	Danielzik et al.			
	5,846,708	12/1998	Hollis et al.			
	5,959,292	09/28/99	Duveneck et al.			
	Re. 33,064	09/19/89	Carter			
	Re. 34,394	09/28/93	Bunting			

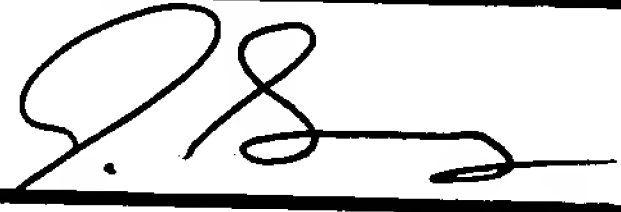
FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
JS	9,006,503	06/14/90	PCT				
	9,113,339	09/05/91	PCT				

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

JS	Lee, Jin Ho; Kopecek, J. and Andrade, J.D., "Protein-resistant surfaces prepared by PEO-containing block copolymer surfactants", Journal of Biomedical Materials Research, Published by John Wiley & Sons, pg. 351-368 (1989)
JS	Carlsson, J.; Drevin, K. and Axen, R., "Protein Thiolation and Reversible Protein-Protein Conjugation, Biochem J. (1978) 173, 723-737, Printed in Great Britain.
JS	Choquette, Steven J., et al., "Planar Waveguide Immunosensor with Fluorescent Liposome Amplification," <u>Analytical Chemistry</u> , 64(1):55-60, January 1, 1992.
JS	Fattinger, Ch., et al., "The Difference Interferometer: A Highly Sensitive Optical Probe for Quantification of Molecular Surface Concentration," <u>Biosensors & Bioelectronics</u> , 8:99-107, 1993.

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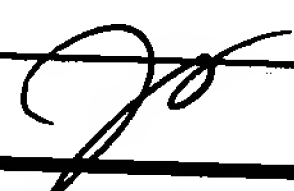
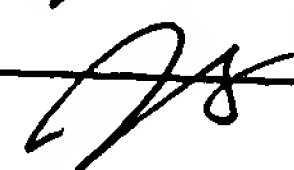


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						YES	NO

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

		Ho, Z.Z., et al., "Large Area Waveguide Sensor for Multiple Analytes Detection," <u>SPIE</u> , 2136:344-351, 1994.
		Huber, W., et al., "Direct Optical Immunosensing (Sensitivity and Selectivity)," <u>Sensors and Actuators</u> , B.6:122-126, 1992.
		Discovery Technologies AG, Third-Party Observation, August 25, 1999.
		D.K.W. Lam, "Low temperature plasma chemical vapor deposition of silicon oxynitride thin-film waveguides", <u>Applied Optics</u> , 23(16):2744-46, August 15, 1984.

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